

Vacuum
Performance Data Sheet PDS-30004

⁴He/D₂ Ratio

Quantification of Helium and Deuterium concentrations with real time ultra-high resolution mass spectrometry using Hiden Analytical 9mm triple filter quadrupole system

- Real-time mass spectrometry using 9mm triple filter Hiden system showing high resolution separation of ⁴He (4.0026 amu) and D₂ (4.028 amu) species separated by only 0.02 amu
- Mass flow controlled Helium/Deuterium mixture concentrations from 1% - 100% Helium in Deuterium show real-time quantification possible throughout this range of concentrations

